

# Disc Filter Strainers



## Helix MTD Series Disc Filters

These unique filters include innovative “discs” with 3 dimensional design and large surface areas to minimize cleanings. As liquid enters the filter housing, a high velocity centrifugal action occurs, spiraling heavier particles (*sand, sediment, etc.*) away from the disc cartridge, down to the base of the filter. These accumulated particles are then flushed from the filter via the 3/4” flush port connection at the base of the filter (*flush valve is not included*). The grooved discs are also very effective at filtering out soft fibrous material like algae. The filters can be installed in any orientation; however, it is preferable to install them with the 3/4” flush port at the bottom. One inlet and two FPT outlets (*side and top*) with threaded cap for outlet not being used. Available in three different sizes: 2”, 2” super and 3” models.

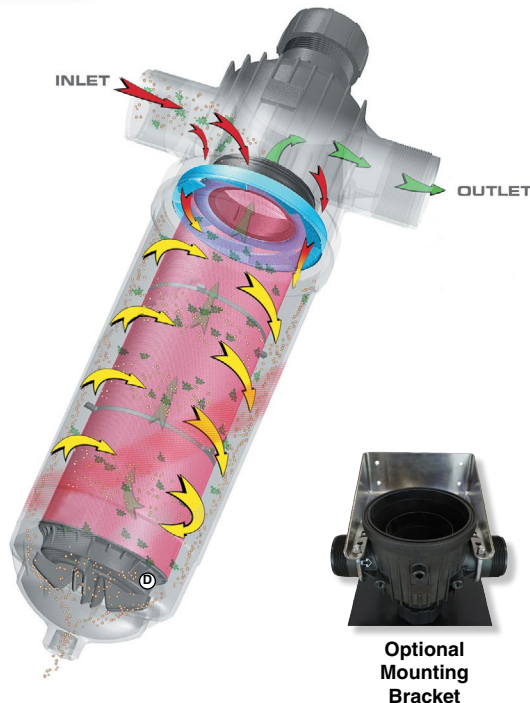
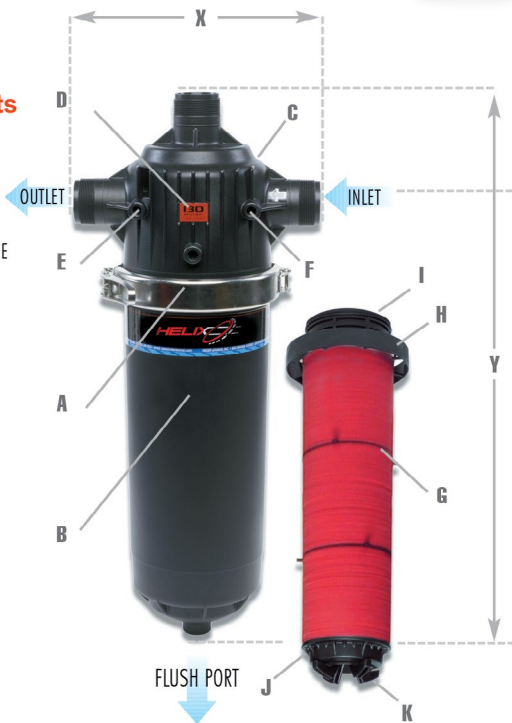
### Features:

- High velocity centrifugal cleaning action minimizes cleanings
- Large disc surface area, with three dimensional depth
- Particles can be flushed while filter is in operation
- Several color-coded discs (*polyamide*) available in different micron sizes: 100 micron, 130 micron & 200 micron
- Durable, corrosion-resistant, injection-molded housing (*polyamide*) with MPT inlet and outlet (*Vitaulic available*)
- Easily removable, quick clamp lid assembly (*316 Stainless*)
- EPDM Gaskets; 3/4” bottom flush port
- Two pressure gauge ports molded into housing
- Low pressure loss
- All units are rated to 125 PSI and 140° F.
- Stainless mounting brackets with hardware available for mobile applications



### Filter Components

- A. BAND-CLAMP ASSEMBLY
- B. REMOVABLE FILTER LID
- C. FILTER BODY
- D. MICRON/MESH DATA PLATE
- E. OUTLET GAUGE PORT  
(GAUGE NOT INCLUDED)
- F. INLET GAUGE PORT  
(GAUGE NOT INCLUDED)
- G. FILTER DISC CARTRIDGE
- H. HELIX-ELEMENT
- I. O-RING SEAL
- J. CARTRIDGE COVER PLATE
- K. THREADED WING BOLT
- X. SEE TABLE BELOW
- Y. SEE TABLE BELOW
- Z. SEE TABLE BELOW



Part No.	Model Type	Inlet/Outlet	Filter Surface Area (Sq. IN.)	Max. Flow (GPM)	Pressure Loss	"X" Width	"Y" Height
ML MTD-2NA-130	* Regular	2" MPT	186	100	3.5 PSI @ 100 GPM	12-1/8"	24-1/8"
ML MTD-2SA-130	* Super	2" MPT	263	100	3.2 PSI @ 100 GPM	12-1/8"	28-3/4"
ML MTD-3NA-130	* Regular	3" MPT	263	200	4 PSI @ 160 GPM	13-1/4"	30"
ML 21828-02	304SS Mounting Bracket with Zinc-Plated Hardware for 2" NA and 2" SA .....						
ML 21828-03	304SS Mounting Bracket with Zinc-Plated Hardware for 3" NA .....						

\* 100, 130, & 200 micron options available. Please specify disc size when ordering. (Example: MTD-2SA - 130 = 2" NPT Super with 130 - micron discs).